

REMARKS

The present amendment is in response to the final Office Action received on November 08, 2005, in which Claims 13-20 were rejected. The following remarks are believed to be fully responsive to the Office Action and render all claims at issue patentably distinguishable over the cited references.

Reconsideration and withdrawal of the rejections set forth in the Office Action dated November 08, 2005 are respectfully requested.

I. Claim Rejections - 35 U.S.C. § 103

The present invention relates to a thin film transistor (TFT) liquid crystal display (LCD) device. West discloses a semiconductor device and the fabrication method of integrated circuit chips instead of a method for protecting a gate terminal of a liquid crystal display panel. Therefore, West is a non-analogous art to the present invention. According to the present invention, the resist region can protect the passivation layer and the gate insulating layer of the LCD panel from cracking, the gate terminal and lead of the LCD panel from corrosion owing to the resist region located at a scribing line on margin of the second substrate.

In contrast with prior art of West, the sacrificial composite structure provides mechanical strength to the integrated circuit (IC) wafer and simultaneously disperses the energy associated with crack propagation. Accordingly, functionality of the sacrificial composite structure of West with the resist region of the present invention is totally different. In other words, West cannot provide the protective effects of the passivation layer and the gate insulating layer after dicing the LCD panel.

In addition, the Examiner states that the sacrificial composite structure of West can be anywhere between the barrier wall in the scribe street and the center of the

dicing line. Actually, the sacrificial composite structure of West is only located at the region defined between the metal wall 13a and the dicing line 110, referring to Figs. 1A and Fig.1B. In other words, the sacrificial composite structure of West cannot be in the scribing line on the margin of a second substrate, and therefore it cannot provide the protective effects of the passivation layer and the gate insulating layer after dicing the LCD panel.

Moreover, the resist region of the present invention is simultaneously formed on the gate insulating layer with the island semiconductor layer or the source electrode and drain electrode of the liquid crystal display panel. As matter of fact, the sacrificial composite structure of West may be a discontinuous barrier wall comprising metal rivets interconnecting electrically conductive layers in an alternating manner and formed on the integrated circuit (IC) wafer instead of a liquid crystal display panel. In other words, there is no motivation and suggestion that the sacrificial composite structure of West can be formed on the gate insulating layer with the island semiconductor layer or the source electrode and drain electrode of the liquid crystal display panel. The ordinary person skill in the art can not achieve the claimed invention under his teaching.

To summarize, West has no motivation and suggestion to recite that the sacrificial composite structure is applied to the admitted prior art, and the functionality of the sacrificial composite structure of West with the resist region of the present invention is quite different. Therefore, the motivation and suggestion to combine West and the admitted prior art is impossible. Moreover, in order to achieve the effect of protecting the passivation layer and the gate insulating layer from breaking, the resist region may be placed at the scribing line. Consequentially, the effect and result of the claimed invention can not be expected by the prior art of West, and the invention defined in the amended Claim 13 and added Claim 21 is unobvious and patentable. The obvious rejection is overcome.

Since Claims 14-20 and 22-26 depend on the amended Claim 13 and added Claim 21, they should be patentable under the patentability of the amended Claim 13 and added Claim 21.

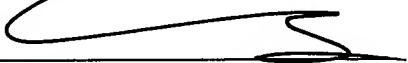
II. Conclusion

In view of the foregoing, Claims 13-20 and added Claims 21-26 pending in the application comply with the requirements of patentability define over the applied art. A Notice of Allowance is, therefore, respectfully requested.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 50-0665, under Order No. 386998033US from which the undersigned is authorized to draw.

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Respectfully submitted,

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